

**SOYOUNG CHOI PhD, RN**

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 College of Applied Health Sciences  
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**1. EDUCATION**

<u>Year</u>	<u>Degree</u>	<u>Institution</u>	<u>Location</u>
2020	Ph.D. in Nursing	The Pennsylvania State University	University Park, PA, USA
2016	MSN	Yonsei University	Seoul, South Korea
2011	BSN	Yonsei University	Seoul, South Korea

**2. PROFESSIONAL EXPERIENCE**

<u>Year</u>	<u>Position</u>	<u>Institution</u>	<u>Location</u>
Oct 2021 – Present	Assistant Professor	Department of Kinesiology and Community Health, College of Applied Health Sciences University of Illinois at Urbana-Champaign	Urbana, IL, USA
Nov 2021 – Present	Faculty Affiliate	Personalized Nutrition Initiative, Carl R. Woese Institute of Genomic Biology, University of Illinois at Urbana- Champaign	Urbana, IL, USA
Nov 2021 – Present	Faculty Affiliate	Illinois Informatics Institute, University of Illinois at Urbana-Champaign	Urbana, IL, USA
Mar 2021 – July 2021	Research Assistant Professor	College of Nursing, Yonsei University	Seoul, South Korea
April 2011 – Aug 2014	Registered Professional Nurse	Severance Hospital, Yonsei University Health System	Seoul, South Korea

**3. CURRENT LICENSE AND CERTIFICATION**

	<u>Title</u>	<u>Type</u>
Activated	Registered Nurse, New York	RN
Activated	Registered Nurse, South Korea	RN
Activated	Basic Life Support (CPR, AED), American Heart Association	BLS Provider

Permanent	Information Technology Qualification, South Korea	Office Software
Permanent	IBM Data Science Professional Certification Offered by IBM	Data Science
Permanent	Data Science Specialization Certification Offered by Johns Hopkins University	Data Science

#### 4. PEER-REVIEWED JOURNAL ARTICLES

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1. **Choi, S.**, Lee, H., & Lim, A (Under review). A closer look at blind young adults' health behaviors: A multiple case study
2. Lee, H., **Choi, S.**, & Lim, A (Under review). Examining the dietary patterns of young adults with visual impairments: Analysis of the Korea National Health and Nutrition Examination Survey (2013-2016).
3. Seo, J., & **Choi, S.** (2022). Are blind people considered a part of scientific knowledge producers?: Accessibility report on top-10 SCIE journal systems using a tripartite evaluation Approach. *Journal of Technology and Persons with Disabilities*, 171.
4. Choi, J., Thompson, E., Choi, J., Waddil, C. B., & **Choi, S.** (2021) Effectiveness of immersive virtual reality in nursing education: Systematic review, *Nurse Educator*. DOI:10.1097/nne.0000000000001117.
5. **Choi, S.**, Kitko, L., Hupcey, J., & Birriel, B. (2021) Longitudinal family caregiving experiences in heart failure: Secondary qualitative analysis of interviews, *Heart & Lung*, 50(5), 627-633. DOI:10.1016/j.hrtlng.2021.05.002
6. Ko, I., Kim, J., & **Choi, S.** (2021). A systematic review of measurement properties of spirituality related assessment tools published in Korean journals, *Journal of Korean Academy of Fundamental Nursing*, 28(1), 133-148. DOI:10.7739/jkafn.2021.28.1.133
7. **Choi, S.**, & Seo, J. (2020). Trends of healthcare research for visually impaired and blind people: Use of bibliometrics and hierarchical clustering, *Ophthalmic Epidemiology*, DOI: 10.1080/09286586.2020.1863993
8. **Choi, S.** (2020). Evidence-based research in nursing science: A reproducible framework, *The Western Journal of Nursing Research*, DOI: 10.1177/0193945920977792
9. Kim, S., **Choi, S.**, Seo, M., Kim, D., & Lee, K. (2020). Development of a Clinical Ethics Support Service (CESS) education program for nurses based on the ADDIE Model, *Research and Theory for Nursing Practice*, 34(3), 205-222. DOI:10.1891/RTNP-D-19-00135
10. **Choi, S.**, & Seo, J. (2020). An exploratory study of the research on caregiver depression: Using bibliometrics and LDA topic modeling. *Issues in Mental Health Nursing*, 1-10. DOI:10.1080/01612840.2019.1705944
11. Ko, I., **Choi, S.**, & Kim, J. (2020). Development and validation of the new version of spirituality assessment scale, *Journal of Korean Academy of Nursing*, 50(1), 1-15. DOI:10.4040/jkan.2020.50.1.132
12. **Choi, S.**, & Seo, J. (2019). Analysis of caregiver burden in palliative care: An integrated review. *Nursing Forum* (2019, February), 1-11. DOI:10.1111/nuf.12328
13. Ahn, S., **Choi, S.**, Kim, H., & Chu, S. (2018). Current pharmacogenetic approach for oxaliplatin-induced peripheral neuropathy among patients with colorectal cancer: A systematic review, *Journal of Korean Biological Nursing Science*, 20(2), 55-66. DOI:10.7586/jkbns.2018.20.2.55
14. **Choi, S.**, & Ko, I. (2017). The influence of self-care agency and social support as factors influencing self-care practice in spinal cord injured patients, *Korean Journal of Adult Nursing*, 29(6), 569-578. DOI:10.7475/kjan.2017.29.6.569
15. Ko, I., **Choi, S.**, & Kim, J. (2017). Evolutionary concept analysis of spirituality, *Journal of Korean Academy of Nursing*, 47(2), 242-256. DOI:10.4040/jkan.2017.47.2.242

#### 5. CONFERENCE PROCEEDINGS AND ABSTRACTS

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1. Donegan, S., Porter, C., Fogel, A., Seo, J., **Choi, S.**, & Eagan, B. (2020). U.S. media coverage during COVID-19: An epistemic network analysis of bias, topic, and trajectory. International Virtual Conference on Quantitative Ethnography 2020. Jan 30 - Feb 2, 2021.
2. **Choi, S.**, Kitko, L., Hupcey, J. E., Birriel, B., & Wang, S. (2020). Data science and computational linguistics on a collection of interviews with family caregivers in heart failure. *Journal of Cardiac Failure*, 26(10), S88.
3. **Choi, S.**, Seo, J., & Kitko, L. (2019). Exploring the lived experience of a family member with advanced heart failure: Using a text mining approach. International Conference on Quantitative Ethnography 2019. Madison, Wisconsin, USA. Sep 20 -22, 2019.
4. **Choi, S.**, & Seo, J. (2019). Trends in self-management among adults with heart failure from 2011 to 2016 using the National Health and Nutrition Examination Surveys. *Journal of Cardiac Failure*, 25(8), S4.
5. **Choi, S.**, & Seo, J. (2019). Heart failure research using text mining: A systematic review. *Nursing Research*, 68(2), E119-E120.
6. **Choi, S.**, & Seo, J. (2018). Effects of nonpharmacological interventions for fatigue in patients with heart failure: A systematic review and meta-analysis. *Journal of Cardiac Failure*, 24(8), S73-S74.

## 6. SOFTWARE DEVELOPMENTS AND PUBLICATIONS

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### Peer-Reviewed Data Mining Packages

1. Seo, J., & **Choi, S.** (2020). youtubecaption: Downloading YouTube Subtitle Transcript in a Tidy 'Tibble' Data\_Frame. Retrieved from <https://cran.r-project.org/web/packages/youtubecaption> Over 9543 download.
2. Seo, J., & **Choi, S.** (2019). Ezpickr: Easy data import using gui file picker and seamless communication between an excel and r. Retrieved from <https://CRAN.R-project.org/package=ezpickr> Over 19k download.
3. Seo, J., & **Choi, S.** (2019). Mboxr: Reading, extracting, and converting an mbox file into a tibble. Retrieved from <https://CRAN.R-project.org/package=mboxr> Over 15k download.

## 7. HONORS AND AWARDS

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<u>Year</u>	<u>Title</u>	<u>Source</u>
2020	GKNF-USA Ann S. Jhin Scholarship Award	Global Korean Nursing Foundation, USA
2019	HFSA Nursing Investigator Award, Finalist	Heart Failure Society of America, USA
2017 – 2018	Fund for Excellence in Graduate Recruitment	The Pennsylvania State University, University Park, PA, USA
2016	Seoul Nursing Scholar Award	Seoul Nurses Association, South Korea
2010	Inducted into STTI as an undergraduate student who demonstrates academic excellence	Sigma Theta Tau International Honor Society of Nursing
2009	Academic Achievement Excellence Award	Yonsei University, Seoul, South Korea
2008	Academic Achievement Excellence Award	Yonsei University, Seoul, South Korea

## 8. GRANTS AND FUNDING ACTIVITIES

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<u>Year</u>	<u>Title</u>	<u>Source</u>
2022	2022 CHAD Pilot Grant, \$30,000 (Not funded) Title: Understanding the sleep patterns of blind populations using self-tracking technologies: What is it like and how can we support it? (PI: <b>Choi, S.</b> )	Center on Health, Aging, & Disability, UIUC College of Applied Health Sciences, Urbana, IL, USA
2022	Personalized Nutrition Initiative 2022 Seed Grants, \$50,000 (Not funded) Title: Seeing MyPlate: Monitoring system for blind people using mobile cloud computing (PI: <b>Choi, S.</b> )	Personalized Nutrition Initiative UIUC Carl R. Woese Institute of Genomic Biology, Urbana, IL, USA
2022	TechSAGE ACCESS Archival Research Grant, \$500 (Funded) (PI: <b>Choi, S.</b> )	RERC TechSAGE, The Georgia Institute of Technology & University of Illinois at Urbana-Champaign, USA
2021	Sigma Small Grants, \$5,000 Title: Investigating relational patterns between circadian rhythm disturbances, stress, depression, and fatigue of totally blind people (PI: <b>Choi, S.</b> )	Sigma Theta Tau International Honor Society of Nursing, USA
2021	Intramural Funding for Junior Faculty, \$1,000 (Funded) (PI: <b>Choi, S.</b> )	Yonsei Medical Health System, Seoul, South Korea
2020	Summer Tuition Assistance Funding (Funded)	The Pennsylvania State University, University Park, PA, USA
2019	Student Travel Conference Funding (Funded)	University Park Allocation Committee, University Park, PA, USA
2019	Summer Tuition Assistance Funding (Funded)	The Pennsylvania State University, University Park, PA, USA
2018	Summer Tuition Assistance Funding (Funded)	The Pennsylvania State University, University Park, PA, USA

## 9. INVITED TALKS

<u>Year</u>	<u>Title</u>	<u>Source</u>
2022	Circadian rhythm disturbances in blind people	Exercise Physiology Seminar, University of Illinois at Urbana-Champaign, Urbana, IL, USA
2019	“A Small Step to Take Your Data Analysis to Another Level” : Invited guest talk to CNU to teach nursing faculty and students for basic concept of machine learning, computer-assisted text mining, and topic modeling to improve their data analysis	Chonnam National University, Gwangju, South Korea

## 10. PRESENTATIONS

### International

1. **Choi, S.**, Seo, J., & Kitko, L. (2019). Exploring the lived experience of a family member with advanced heart failure: Using a text mining approach, International Conference on Quantitative Ethnography 2019. Madison, Wisconsin, USA. Oct 20-22, 2019

2. **Choi, S.,** Ko, I., Choi, M., & Lee, J. (2016). Relationship of self-care agency, social support, and self-care practice in spinal cord injured patients, 4th China-Japan-Korea Nursing Conference. Beijing, China. Nov 12, 2016

#### National

1. Seo, J., & **Choi, S.** (2022). Are blind people considered a part of scientific knowledge producers?: Accessibility report on top-10 SCIE journal systems using a tripartite evaluation approach, 37<sup>th</sup> CSUN Assistive Technology Conference. Anaheim, CA, USA. March 14-18, 2022
2. **Choi, S.,** Kitko, L., Hupcey, J., Birriel, B., & Wang, S. (2020). Data science and computational linguistics on a collection of interviews with family caregivers in heart failure, Heart Failure Society of America Virtual Scientific Meeting 2020
3. **Choi, S.,** & Seo, J. (2019). Trends in self-management among adults with heart failure from 2011 to 2016 using the National Health and Nutrition Examination Surveys, Heart Failure Society of America 23<sup>rd</sup> Annual Scientific Meeting. Philadelphia, PA, USA. Sep 13-16, 2019
4. **Choi, S.,** & Seo, J. (2018). Effects of nonpharmacological interventions for fatigue in patients with heart failure: A systematic review and meta-analysis, Heart Failure Society of America's 22<sup>nd</sup> Annual Scientific Meeting. Nashville Tennessee, USA. Sep 15, 2018

#### Regional

1. **Choi, S.,** & Seo, J. (2019). A global snapshot of simulation-based learning in nursing education. The Korean Society of Adult Nursing Conference 2019. Seoul, South Korea. May 24, 2019
2. **Choi, S.,** & Seo, J. (2019). Heart failure research using text mining: A systematic review. Eastern Nursing Research Society conference, 31st Annual Scientific Sessions. Providence, RI, USA. April 3-5, 2019
3. **Choi, S.,** & Seo, J. (2019). Analysis of caregiver burden in palliative care: An integrated review. Nursing Theory Conference, Nursing Theory: A 50-year perspective past and future. Cleveland, OH, USA. Mar 21, 2019
4. Ko, I., **Choi, S.,** & Kim, J. (2016). Concept analysis of spirituality: Evolutionary method, The Korean Society of Nursing Science Annual Meeting. Seoul, South Korea. Oct 19, 2016
5. **Choi, S.,** & Lee, J., Lee, S., Kim, S., Lee, J., Lee, H. (2016). Analysis of research trends in Journals of Korean Geriatric Nursing from 2005 to 2015, The Korean Gerontological Nursing Society 2016 Conference. Seoul, South Korea. Jun 17, 2016

## **11. SERVICE TO PROFESSION**

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#### Editorial Review Board

- Journal of Gerontology and Geriatric Medicine (GGM) (SAGE Publishing): 4/20/2022 - 12/31/2022

#### Invited Journal Review

1. Heart & Lung (2022)  
Editor: Nancy S. Redeker, Manuscript NO. HL-D-22-004XX
2. BMC Medical Ethics (2022)  
Editor: Anne Menard, Manuscript NO. C506B715XX
3. Heart & Lung (2021)  
Editor: Nancy Redeker; Manuscript NO. HL-D-21-006XX
4. Heart & Lung (2021)  
Editor: Nancy Redeker; Manuscript NO. HL-D-21-006XX
5. Heart & Lung (2021)  
Editor: Nancy Redeker; Manuscript NO. HL-D-21-003XX
6. Journal of Hospital Management and Health Policy (2021)

- Editor: Audrey Lin; Manuscript NO. JHMHP-21-X
7. Heart & Lung (2020)  
Editor: Ardis O'Meara; Manuscript NO. HL-D-20-006XX
  8. BMC Palliative Care (2020)  
Editor: Michael Connolly; Manuscript NO. PCAR-D-20-003XX
  9. Heart & Lung (2020)  
Editor: Ardis O'Meara; Manuscript NO. HL-D-20-005XX
  10. Cancer Immunology, Immunotherapy (2020)  
Editor: Haidong Dong; Manuscript NO. CIIM-D-20-003XX
  11. BMC Palliative Care (2020)  
Editor: Nuriye Kupeli; Manuscript NO. PCAR-D-20-00XXX
  12. Heart & Lung (2020)  
Editor: Nancy Redeker; Manuscript NO. HL-D-20-000XX
  13. Heart & Lung (2019)  
Editor: Ardis O'Meara; Manuscript NO. HL-D-19-001XX
  14. Nursing Forum (2019)  
Editor: Patricia Yoder-Wise; Manuscript NO. NF-07-19-0A1XX

## 12. DEPARTMENTAL/UNIVERSITY SERVICE

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<u>Year</u>	<u>Title</u>	<u>Institution</u>	<u>Location</u>
2021 - 2022	Graduate Program Advisory Committee	Department of Kinesiology and Community Health, University of Illinois at Urbana-Champaign	Urbana, IL, USA
2018 - 2019	Director of Doctoral Student Organization Mentoring Program Committee	College of Nursing, The Pennsylvania State University	University Park, PA, USA
2015	Director of Graduate Student Council	Graduate School of Nursing, Yonsei University	Seoul, South Korea

## 13. TEACHING COURSES

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- KIN 494. Health Assessment
- CHLH 260. Introduction to Medical Ethics
- CHLH 404. Gerontology
- CHLH 569. Systematic Review & Meta-Analysis

## 14. CURRENT PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

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- Member, International Association of Accessibility Professionals
- Member, National Federation of the Blind
- Member, Global Korean Nursing USA Foundation
- Member, Heart Failure Society of America
- Member, Sigma Theta Tau International Honor Society of Nursing
- Member, The Korean Society of Medical Informatics